

109TH CONGRESS  
1ST SESSION

# H. R. 1750

To establish a Grand Canyon hydrogen-powered transportation research,  
development, and demonstration program.

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## IN THE HOUSE OF REPRESENTATIVES

APRIL 21, 2005

Mr. BOEHLERT introduced the following bill; which was referred to the  
Committee on Science

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## A BILL

To establish a Grand Canyon hydrogen-powered transportation research, development, and demonstration program.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “Grand Canyon Hydro-  
5       gen-Powered Transportation Demonstration Act of 2005”.

6       **SEC. 2. DEFINITIONS.**

7       For purposes of this Act, the term—

8               (1) “Departments” means the Department of  
9       Energy jointly with the Department of the Interior;  
10      and

1           (2) “Secretaries” means the Secretary of En-  
2           ergy jointly with the Secretary of the Interior.

3 **SEC. 3. FINDINGS.**

4           The Congress finds that—

5           (1) there is a need for a research and develop-  
6           ment program to support and foster the develop-  
7           ment, demonstration, and deployment of emerging  
8           hydrogen-based transportation technologies suitable  
9           for use in sensitive resource areas;

10          (2) partnerships between the Department of  
11          Energy, the Department of the Interior, Native  
12          American Tribes, and United States industry to de-  
13          velop hydrogen-based energy technologies can pro-  
14          vide significant benefits to our Nation, including en-  
15          hancing our environmental stewardship, reducing  
16          our dependence on foreign oil, increasing our energy  
17          security, as well as creating jobs for United States  
18          workers and improving the competitive position of  
19          the United States in the global economy; and

20          (3) when technologically and economically fea-  
21          sible, the implementation of clean, silent or nearly  
22          silent, hydrogen-based transportation technologies  
23          would further resource stewardship and experiential  
24          goals in sensitive resource areas including units of

1 the National Park System, such as Grand Canyon  
2 National Park.

3 **SEC. 4. RESEARCH, DEVELOPMENT, AND DEMONSTRATION**  
4 **PROGRAM.**

5 (a) IN GENERAL.—The Secretaries shall jointly es-  
6 tablish and carry out a research and development pro-  
7 gram, in partnership with the private sector, relating to  
8 hydrogen-based transportation technologies suitable for  
9 operations in sensitive resource areas such as national  
10 parks. The Secretaries, in partnership with the private  
11 sector, shall conduct a demonstration of hydrogen-based  
12 public transportation technology at Grand Canyon Na-  
13 tional Park within three years after the date of enactment  
14 of this Act. At his discretion, the Secretary of Energy may  
15 choose to extend existing Department of Energy hydrogen-  
16 related vehicle research and development programs in  
17 order to meet the objectives and requirements of this Act.  
18 The Secretaries shall provide preference to tribal entities  
19 in the establishment of the research and development pro-  
20 gram.

21 (b) OBJECTIVE.—The objective of the program shall  
22 be to research, develop, and demonstrate, in cooperation  
23 with affected and related industries, a hydrogen-based al-  
24 ternative public transportation system suitable for oper-

1 ations within Grand Canyon National Park, that meets  
2 the following standards:

3 (1) Silent or near-silent operation.

4 (2) Low, ultra low, or zero emission of pollut-  
5 ants.

6 (3) Reliability.

7 (4) Safe conveyance of passengers and operator.

8 (c) PARTNERSHIP.—In order to accomplish the objec-  
9 tive set forth in subsection (b), the Secretaries shall estab-  
10 lish a partnership among the Departments, manufactur-  
11 ers, other affected or related industries, Native American  
12 Tribes, and the National Park Service shuttle operators  
13 and tour operators authorized to provide services in Grand  
14 Canyon National Park.

15 **SEC. 5. REPORTS TO CONGRESS.**

16 One year after the date of enactment of this Act, and  
17 annually thereafter for the duration of the program, the  
18 Secretaries shall submit a report to the Committees on  
19 Appropriations, Resources, and Energy and Commerce of  
20 the House of Representatives and the Committees on Ap-  
21 propriations and Energy and Natural Resources of the  
22 Senate describing the ongoing activities of the Secretaries  
23 and the Departments relating to the program authorized  
24 under this Act and, to the extent practicable, the activities  
25 planned for the coming fiscal year.

1 **SEC. 6. AUTHORIZATION OF APPROPRIATIONS.**

2       There are authorized to be appropriated to the Secre-  
3 taries to carry out this Act, in addition to any amounts  
4 made available for these or related purposes under other  
5 Acts, \$400,000 per year for three consecutive fiscal years  
6 beginning with the full fiscal year following the date of  
7 enactment of this Act.

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